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INSIDE

COMING ATTRACTIONS

Special issues on
Atmospheric Dynamics
Global Vegetation
Atmospheric Chemistry
Field Experiments
Interdisciplinary Earth Science
Educational Outreach

LOOK FOR US IN SAN DIEGO

the second week of February ! !
See the back for details.

THE DAAC'S NEW HOME

The Goddard DAAC moved into its new space in the EOS building at Goddard Space Flight Center. See picture inside.

JOIN OUR READERS

To receive future issues of *Data Streams,* contact our Help Desk.

Goddard DAAC Help Desk
Weekdays, 9–5 Eastern time
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NASA Goddard Space Flight Center
Distributed Active Archive Center

Data Streams

A Periodic Newsletter from the Goddard DAAC

Volume 1, Number 1 • October 1995

New Goddard DAAC Ocean Color Web Site Attracts Over A Thousand Visitors In Its First Month

The Goddard DAAC opened its Ocean Color Web site on September 1, 1995. Consisting of over 100 pages, accessible from the Goddard DAAC Home Page, the new site includes sections on ocean color data, related software, services, documents, people working in the field of ocean color, and educational resources. A "Quick-Link Outline" allows users to jump instantaneously to any page in the site, and a list of related sites connects to many other ocean color and oceanographic centers of excellence around the world.

RAPID GROWTH

Listed with several search services, including INFOSEEK, the World Wide Web Worm and the World Wide Web Virtual Library, accesses from the United States and 28 other countries at the site passed 1000 in its first month. In September, the site served 452 distinctly named client domains plus 491 numerical domains.

The five most frequently loaded pages were the "Main Ocean Color Title Page," the "Quick-Link Outline," the "Data, Related Software, Services, and Documentation" page, the "Coastal Zone Color Scanner (CZCS) Main Page," and the "What's New" section.

FUTURE PLANS

The DAAC Ocean Color Data Support Team is developing a Web-based browser for Coastal Zone Color Scanner data that will allow users to do temporal and geographic searches of the entire CZCS archive and view browse images of files returned over the network. This initial impementation is server based and will reside on the Goddard DAAC computer. Future plans call for porting the browser software to PCs. This PC version, along with images of all 60,000 Level 2 files, will serve as the basis of a final CD-ROM edition.

Other activities include a program to create teacher packets and provide customer contributed lesson plans to augment the data and information available from the site, and the addition of our best CZCS scenes with documentation describing the oceanographic features visible in each one.

OCEAN COLOR SPECIAL ISSUE

EASIER ACCESS FOR ALL

This Web site makes a large amount of DAAC-held ocean color data, information, and software easily accessible to anyone with a Web browser. Several older, hardcopy documents are on line or may be ordered. The most popular of these is *Ocean Color From Space,* which was published in 1986 and is no longer in print.

New documentation and software products were generated to satisfy customer demands. With the implementation of the CZCS Browser, full Web access to the entire archive of over 180,000 CZCS data files will be granted. It is the goal of the Goddard DAAC to continue facilitating global change research and education by making data and information accessible to all.

FROM OUR USERS

Fabulous site!!! Thanks for the lead.
Peter Brueggeman, Scripps Institution of Oceanography Library, University of California at San Diego
San Diego, CA 92093–0175 USA
http://www.ucsd.edu/siolibrary/

I've put a link to your site in our 'Other Oceanographic Web Sites' list. I like the color scheme of your Web pages. Thanks for the information.
Gerry Hatcher, Monterey Bay Aquarium Research Institute, Pacific Grove, California

I like the quick-link outline.....this is a great step forward in connectivity...I think the newsletter is a great idea...
Paul Treloar, Applied Climate Research Unit, Dept. of Geographical Sciences and Planning and Dept. of Chemical Engineering, Univ. of Queensland, AUSTRALIA

I took a quick look at your new Ocean Color WWW and it is super!! I hope to spend more time browsing around in there.
Ken Bliss, Oceanographer, National Marine Fisheries Service

Thanks for letting us know.
Dale Chayes, Lamont-Doherty Earth Observatory of Columbia University, Palisades, NY

Ocean Color Website Quick-Link Outline

http://daac.gsfc.nasa.gov/CAMPAIGN_DOCS/OCDST/ocdst_main.html
Each topic in this outline is a hyperlink to that section of the site.

WHAT'S NEW

Newsletters & Announcements

Vol. 1, Num. 1 (June 1995)

Ocean Color Data, Related Software, Services & Documentation

Coastal Zone Color Scanner (CZCS) Data & Information

CZCS Data

Comparison of Level 1, 1a, 2, & 3 files
WWW access to archived Level 1, 1a, 2, & 3 CZCS products–planned for winter 1995
North Atlantic region–1981
Classic images of interest
Chesapeake Bay region
GIF image gallery–from SeaWiFS
Classic regions of interest–large scale
Order AVHRR monthly global MCSST coregistered with CZCS data–JPL CD-ROM
1 x 1 chlorophyll mean–Level 3 CZCS data
Monthly and seasonal global composites from SeaWiFS
Full global composite from SeaWiFS
Interactive region selection utility from SeaWiFS

CZCS Documents & Information

The CZCS Guide Document
List of ocean color references
The GDAAC CZCS README
Hardcopy CZCS documents
CZCS information from SeaWiFS

CZCS-Related Software & Services

SEAPAK data processing software
CZCS DSP and CRTT read software
HDF software and documentation
User-contributed software and documentation
The Goddard DAAC Help Desk

Sea-Viewing Wide Field-of-View Sensor (SeaWiFS) Data & Information

SeaWiFS Data

Simulated SeaWiFS data
Ancillary and correlative SeaWiFS data

SeaWiFS Documents & Information

How to become an authorized SeaWiFS user
The SeaWiFS project Home Page
The SeaWiFS Technical Report Series
SeaWiFS product specifications and data format information
SeaWiFS project announcements
SeaWiFS "Dear Colleague" letter
Authorized user list
SeaWiFS HRPT station sites
SeaWiFS ground station information form
Approved SeaWiFS research station list

SeaWiFS-Related Software & Services

SEADAS
SeaWiFS orbit prediction software release (SeaTrack)
SeaWiFS processing software and documentation
HDF software and documentation
The Goddard DAAC Help Desk

NOAA Aircraft Ocean Color Data & Information

Ocean Color & Temperature Sensor (OCTS), NASDA, Japan

Ocean Color Imager (OCI), Taiwan

Ocean Color & Marine Sciences Related Educational Materials

Studying the Environment From Space–U.S Coast Guard Academy's Remote Sensing Curriculum Materials
Smithsonian Ocean Planet
The Jason Project
The SeaWiFS Living Ocean Education Page
Ocean Color From Space
Educational resources for oceanography and Earth sciences compiled by the Physical Oceanography DAAC at NASA JPL
List of ocean color references
Other ocean-related educational sites
EOS education-related materials page

Ocean Color Points of Contact at Goddard and Elsewhere

The Goddard DAAC Ocean Color Data Support Team Code 902.2
The SeaWiFS Project, Code 970.2
The SEADAS Project, Code 971
Primary Productivity Group, Code 971
Observational Science Branch
NASA Wallops Flight Facility, Wallops, VA USA
Physical Oceanography DAAC at NASA JPL
NOAA Coastal Ocean Program Ocean Color Project
University of Miami
Rosenstiel School of Marine Sciences Remote Sensing Group
List of Ocean Color Data Users

The Goddard DAAC Has a New Home

The people and equipment of the Goddard DAAC are in the process of moving into the brand new Earth Observing System Data and Information System facility, otherwise known as Building 32, at Goddard Space Flight Center in Greenbelt.

The first to be erected on Goddard's "eastern campus," the 570-acre site that will house research and operational elements of the Mission to Planet Earth, Building 32 consolidates several of Goddard's mission and Earth science operations into 190,000 square feet on three floors. It provides a unique work environment for some 750 employees who will staff the DAAC, the Earth Science Data and Information System (ESDIS) project, EOS Operations Center, the Landsat–7 Missions Operations Center, the Total Ozone Mapping Spectrometer-Earth Probe (TOMS-EP) Mission Operations Center, the Tropical Rainfall Measuring Mission (TRMM) Operations Center, and the Upper Atmosphere Research Satellite (UARS) Operations Center.

Natural materials were used extensively for building finishes. Brick, slate, stone, and glass complement the site's wooded surroundings, and many different shades of green were used in the interior design.

The rounded, brick and glass-block rear wall of the 70-person conference area lends itself well to the room's theater-style seating. The room also features rear-projection equipment and other state-of-the-art audio-visual components. It promises to be a popular and frequently used meeting space.

Ocean Color Imager to be carried aboard Taiwan's ROCSAT-1 Satellite

Taiwan's first satellite, ROCSAT-1, will carry the Ocean Color Imager (OCI), Ionospheric Plasma and Electrodynamics Instrument (IPEI), and an Experimental Communication Payload (ECP). The OCI, being built by NEC in Japan, is designed to sense six spectral bands from visible (443 mn) to near IR (865 nm) with 800 meter resolution, a 690 km swath, and high radiometric accuracy.

ROCSAT-1 is scheduled for launch in April 1998 for a 2-year mission. It will have a 600 km circular, low Earth orbit with 35 degrees inclination, and its ground contact time with the receiving stations in Taiwan will be about 7 minutes, six times a day. Discussions concerning use of a second ground station in Australia are ongoing.

A science team consisting of local researchers in Taiwan will perform calibration, data processing, and analysis of the ocean color data. Imagery data will be available to the international scientific community through a data distribution center now being set up at National Taiwan Ocean University by Hsien-Wen Li, College of Science and Engineering, National Taiwan Ocean University, Keelung, Taiwan ROC (fax: 886 2 463-1597 or 886 2 469-3547). The ground truth campaign is being discussed. There are three research ships and one small near-coast vessel available to the Taiwanese researchers for the collection of in-situ data.

Because the Ocean Color Imager will be carried aboard Taiwan's first satellite, Ocean Color was an important topic at the Committee on Space Research (COSPAR) Colloqium on Space Remote Sensing of Subtropical Oceans (SRSSO) held September 12-16 in Taipei, Taiwan. Organizers for this meeting were the local COSPAR Office, National Taiwan University and National Central University. The keynote speaker on the final day was the Director of Taiwan's National Space Program, Jia-Ming Shyu, who outlined 15 years of planning done by his office in support of three satellites scheduled for launch by Taiwan, the first of which is ROCSAT-1.

By Jane E. Lewis, National Taiwan Ocean University, jane@lglab.imb.ntou.edu.tw

1996 Oceans Sciences Meeting in San Diego

The 1996 AGU/ASLO Ocean Sciences Meeting will be held the week of February 12 in San Diego. This biannual meeting attracted over 2000 attendees in 1994 and features over 140 oral and poster scientific sessions and products from approximately 50 vendors. Members of the Goddard DAAC Ocean Color Data Support Team will man a booth, so look for us there! Contact

Kristen Hansen
202–462–6910, ext. 382
khansen@kosmos.agu.org

Information on this and other AGU meetings is available at

http://www.agu.org

under "Meetings."

How To Become an Authorized SeaWiFS User

The first ocean color mission since CZCS, the Sea-Viewing, Wide, Instantaneous Field-of-View Sensor is scheduled for launch by Orbital Sciences aboard their Pegasus XL rocket. Full details about this important mission and sensor are available from the SeaWiFS Home Page at URL

http://seawifs.gsfc.nasa.gov/scripts/SEAWIFS.html.

SeaWiFS data are slated to be archived and distributed by the Goddard DAAC. Unlike CZCS, these ocean color data are the property of Orbital Sciences Corp., and may not be distributed by the DAAC to anyone who is not an authorized user.

In order to become authorized to access SeaWiFS data, research users must complete the SeaWiFS "Dear Colleague" letter and return it to Ms. Omega Govan at the SeaWiFS project. Likewise, in order to apply for an HRPT research ground station permit, users must complete the SeaWiFS Ground Station Information Form. These forms are available from Ms. Govan or from the Goddard DAAC Help Desk

daacuso@daac.gsfc.nasa.gov
301-286-3209

or via the SeaWiFS and Goddard DAAC Ocean Color Web sites. Completed forms should be returned to

Ms. Omega Govan
Code 970.2, SeaWiFS Project
Goddard Space Flight Center
Greenbelt, MD 20771 USA
govan@seawifs.gsfc.nasa.gov

Users may refer to the lists of authorized scientific users and HRPT research stations published on the Web to find out who has already been authorized and to verify their own authorization.

New Coastal Color Opportunity

I want to call your attention to the new NASA Research Announcement for EOS. It is very broad, including opportunities to join the Landsat–7 team, new EOS interdisciplinary investigations, Young Investigators (less than 5 years since Ph.D.), EOS instrument team members, and educational programs. It solicits proposals to add a new MODIS Instrument Team Member in the area of coastal ocean color algorithm and product development.

Details are in NRA-95-MTPE-03, "Opportunities To Participate in NASA Mission to Planet Earth and Earth Observing System Science and Education Programs." Letters of Intent to Propose are due 10/25/1995. Contact Dr. Ghassem Asrar, 202–358–0273.

The document is available on the Web at URL

http://www.hq.nasa.gov/office/mtpe/nra.html

or you can download it via

ftp.hq.nasa.gov/pub/nra.

By Dr. Wayne E. Esaias, Goddard Space Flight Center, esaias@gsfc.nasa.gov.

MORE FROM OUR USERS

I am very happy to add your site on Ocean Color to our page on Oceanographic WWW Servers.
Ron Vogel, Ocean Science Coordinator, Global Change Master Directory, http://gcmd.gsfc.nasa.gov

Thanks for the URL to your Web site. I've included it on our home page, it looks great. We are particularly interested in the northern Australian information.
Karen Love, Australian Oceanographic Data Centre, http://www.aodc.gov.au/AODC.html

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